

1057929356

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

Rec'd PCT/PTO 25 MAR 2005

(19) World Intellectual Property
Organization
International Bureau



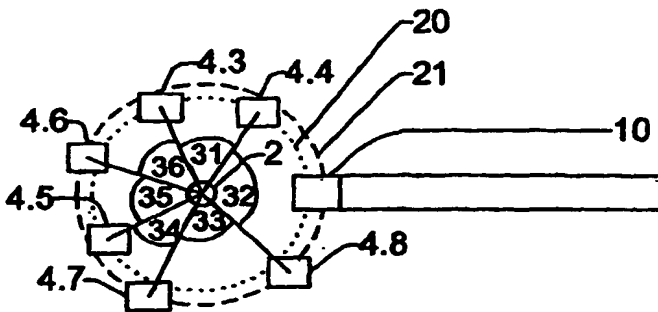
(43) International Publication Date
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number
WO 2004/029965 A1

- (51) International Patent Classification⁷: **G11B 23/00**, 27/11, G06K 19/077
- (21) International Application Number: **PCT/IB2003/004047**
- (22) International Filing Date:
19 September 2003 (19.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
02102396.5 30 September 2002 (30.09.2002) EP
- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BRUEKERS, Alphons, Antonius** [NL/DE]; c/o Philips Intellectual Property & Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE). **AKKERMANS, Antonius, Hermanus** [NL/DE]; c/o Philips Intellectual Property & Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).
- (74) Agent: **MEYER, Michael**; Philips Intellectual Property & Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RECORD CARRIER WITH MULTIPLE BUILT-IN CHIPS



(57) **Abstract:** The invention relates to a system for improved access control, in particular copy protection, and improved personalized processing of information, the system comprising a record carrier (1) like a CD-RW+ or a DVD storing copy-protected information and a device for reading and/or writing the record carrier. For that, the record carrier (1) has a first area (3) for storing a first kind of information and further has multiple second areas (4.1, ..., 4.8) each designed for comprising a storage medium for storing second kinds of information, these storage media preferably being implemented as chips. For copy protection, the first kind of information may be

encrypted and the second kinds of information may contain decryption information. The use of multiple storage media for the second kinds of information provides for a more flexible design in distributing the storage and, preferably, computing resources over the record carrier (1). Furthermore, making the storage media detachable from the record carrier (1) results in an easy way of handling diversified access rights and personalization information.

WO 2004/029965 A1